Points for Discussion:

1. Realism about ~~[illegible]~~ propensities
2. Copenhagen solution of the EPR Paradox
3. P(e) of an indeterministic universe
4. Shimony's Peaceful Coexistence
5. Causal Loop paradoxes
6. Grünbaum v. Malament on conventionality of simultaneity
7. S.R. local [illegible] on EP
   Relativity v space-time interpretation of SR

Announcement (Top of p. 13)
Last week the result of Aspect's experiment to test Einstein locality was announced. Aspect claims a conclusive violation of Einstein locality.

Can I reply to the Gibbins exposition of his diagrams (very briefly).

Aspect's expt. Result of expt
→ no violation.

Keele Sept. 1981

Causality, Relativity and the EPR Paradox

Transparencies

1) 3 views on observables not in an eigenstate
2) What does measurement do?
? 2a) How is this change brought about?
2b) ~~Non~~ Locality in the EPR Argument
(defns of Locality$_1$, and Locality$_2$)
2c) The EPR Argument (1935)
2d) Locality$_3$
3) The Bell Experiment
3a) The Bell Argument.
7) The Stapp-Eberhard Approach.
(defn of Locality$_4$)
8) The Principle of Local Counterfactual Definiteness (PLCD)
9) Problem with the PLCD in an indeterministic situation
11) Locality$_5$ (explained)
11a) Is locality violated in EPR?